



## MEMORANDUM

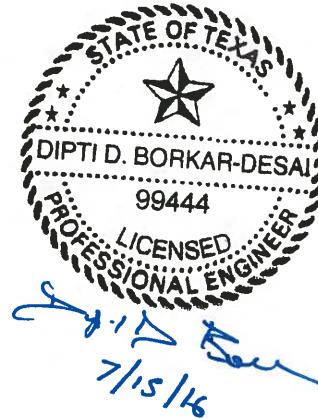
**To:** Traffic Study Files

**From:** Dipti Borkar-Desai, P.E., North Area Engineer  
Traffic Engineering Division  
Austin Transportation Department

**Date:** July 15, 2016

**Subject:** SPEED ZONE INVESTIGATION

**Location:** Pearson Ranch Road from Avery Ranch Boulevard to 28 feet south of Iveans Way (Austin City Limit).



Date(s) of Previous Investigation: N/A

A Traffic Engineering Investigation has been conducted by the Traffic Engineering Division to determine the posted speed limit on Pearson Ranch Road from Avery Ranch Boulevard to 28 feet south of Iveans Way (Austin City Limit) in accordance with the Texas Procedures for Establishing Speed Zones, 2006 (see Figure 1).

### General Conditions:

Pearson Ranch Road functions as a four-lane median divided collector from Avery Ranch Boulevard to approximately 1,300 feet south of Avery Ranch Boulevard and transitions into an undivided two-lane road in the remaining section. This two-lane cross section is planned to be widened to a four-lane divided cross section in the near future.

The adjoining property is currently vacant with two construction accesses off Pearson Ranch Road, north of Iveans Way. There is a continuous sidewalk on the east side of Pearson Ranch Road while the sidewalk on the west side ends approximately 2,380 feet south of Avery Ranch Boulevard.

The Elsa England Elementary School is located on Pearson Ranch Road, south of Iveans Way. This section of Pearson Ranch Road fronting the school is under Williamson County jurisdiction. The school is accessed by two driveways. One of these driveways aligns with Iveans Way at its intersection with Pearson Ranch Road.

### Speed / Volume Data Collected:

Speed and volume data were collected in May 2016 to determine the appropriate posted speed limit for the study segment.

Block Number	Street Segment	Existing Speed Limit	85% Percentile Speed		Daily Traffic Volumes
			NB	SB	
9400	South of Avery Ranch Boulevard (Four-lane Section)	None	47.3 mph	45.8 mph	NB-852 SB-990
8900	North of Iveans Way	None	38.7 mph	38.2 mph	NB-876 SB-955

### Crash Data

Austin Police Department's crash database was reviewed to analyze documented crashes along the study segment within the past two years. There were no documented crashes during this period.

### Recommendation

The analysis of the speed data indicates that the 85<sup>th</sup> percentile speed along Pearson Ranch Road is between 38.2 and 47.3 mph in the section from Avery Ranch Boulevard to Iveans Way.

Due to the functionality of Pearson Ranch Road as a collector street with traffic comprising of school buses and vehicles accessing the school, a speed limit greater than 40 mph is not recommended.

Based on the analysis of this information, it is my engineering judgment that the speed limit on Pearson Ranch Road from Avery Ranch Boulevard to 28 feet south of Iveans Way should be 40 miles per hour.

## Existing

Avery Ranch Boulevard

Iveans Way

Austin City Limit



**Not Posted**

## Proposed

Avery Ranch Boulevard

Iveans Way

Austin City Limit



**40 mph**

